

**Claim Amendments**

1. (currently amended) A line card for a telecommunication system, comprising:  
a multiple mode circuit adapted for installation in equipment at a central office that supports provides at least one of POTS service and ISDN service on a single subscriber line while concurrently providing a plurality of telecommunications services including xDSL telecommunication service on said single subscriber line, ISDN telecommunication service, and ~~POTS service~~, the multiple mode circuit including a controller that receives the instructions from an external device with regard to the plurality of telecommunication services and configures the multiple mode circuit to operate ~~a combination of the plurality of said~~ telecommunication services, wherein the external device comprises one of a broad band element management system, a PSTN switch, and a PSTN maintenance center.
2. (original) The line card of claim 1, wherein the multiple mode circuit comprises:  
a first interface that supports xDSL service.
3. (original) The line card of claim 2, wherein the first interface supports at least one of asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.
4. (currently amended) A line card that supports a single subscriber line for a telecommunication system, comprising:  
a multiple mode circuit adapted for installation in equipment at a central office that supports a plurality of telecommunications services including xDSL telecommunication service, ISDN telecommunication service, and POTS service, wherein the multiple mode circuit comprises a first interface that supports xDSL service, wherein the multiple mode circuit provides support the xDSL service ~~substantially concomitant~~ concurrently with at least one of the POTS service and the ISDN service on a single subscriber line.
5. (original) The line card of claim 2, wherein the multiple mode circuit comprises:  
a second interface that supports at least one of the ISDN telecommunication service and the POTS service.
6. (original) The line card of claim 5, wherein the second interface supports at least one of 2B1Q ISDN service and 4B3T ISDN service.

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7. (original) The line card of claim 5, wherein the second interface supports POTS with PPM service.
8. (original) The line card of claim 7, wherein the second interface supports at least one of 12 kHz PPM service and 16 kHz PPM service.
9. (original) The line card of claim 1, wherein the plurality of telecommunications services includes P- Phone service.
10. (original) The line card of claim 1, wherein the plurality of telecommunication services includes DAML service.
- 11 -14. Canceled.
15. (previously presented) The line card of claim 1 wherein the controller is capable of changing the configuration during a communication session.
16. (original) The line card of claim 15, wherein the controller changes the configuration during a communication session based on information received via a handshake signal.
17. (currently amended) A line card for a telecommunication system, comprising:  
a multiple mode circuit adapted for installation in equipment at a central office that provides supports a plurality of telecommunication services including xDSL telecommunication service while concurrently providing at least one of: POTS service; and POTS with PPM service on a single subscriber line wherein the PPM service is any one of 12 kHz PPM service and 16 kHz PPM service.
18. Canceled.
19. (original) The line card of claim 17, wherein the multiple mode circuit further comprises:  
a first interface that supports xDSL service.
20. (original) The line card of claim 19, wherein the multiple mode circuit supports the xDSL service substantially concomitant with one of the POTS service and the POTS with PPM service.
21. (original) The line card of claim 19, wherein the first interface supports any one of asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.
22. (original) The line card of claim 19, wherein the multiple mode circuit comprises:  
a second interface that supports the POTS service and the POTS with PPM service.

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23. (original) The line card of claim 17, wherein the multiple mode circuit supports ISDN service.
24. (original) The line card of claim 23, wherein multiple mode circuit supports any one of 2B1Q ISDN service and 4B3T ISDN service.
25. (original) The line card of claim 23, wherein the multiple mode circuit supports the ISDN service substantially concomitant with the xDSL digital subscriber line services.
26. (original) The line card of claim 17, wherein the multiple mode circuit supports P phone service.
27. (original) The line card of claim 17, wherein the multiple mode circuit comprises: an automatic mode circuit that configures the multiple mode circuit.
28. (original) The line card of claim 27, wherein the automatic mode circuit configures the multiple mode circuit to operate a combination of the plurality of telecommunication services.
29. (original) The line card of claim 28, wherein the automatic mode circuit comprises: a controller that receives instructions with regard to the plurality of telecommunication services and controls the multiple mode circuit in accordance with the instructions.
30. (original) The line card of claim 29, wherein the controller receives the instructions from an external device.
31. (currently amended) A line card for a telecommunication system, comprising:  
a multiple mode circuit adapted for installation in equipment at a central office that supports a plurality of telecommunication services including xDSL telecommunication service, POTS service, and POTS with PPM service, , the multiple mode circuit including a controller that receives the instructions from an external device with regard to the plurality of telecommunication services and configures the multiple mode circuit to concurrently provide operate a combination of at least two of said the plurality of telecommunication services on a single subscriber line, wherein the controller is capable of changing the configuration during a communication session.
32. (original) The line card of claim 31, wherein the controller changes the configuration during a communication session based on information received via a handshake signal.
33. (currently amended) A line card for a telecommunication system, comprising:  
a multiple mode circuit adapted for installation in equipment at a central office that supports xDSL telecommunication service, ISDN telecommunication service, POTS telecommunication

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service, and POTS with PPM telecommunication service, wherein the multiple mode circuit is capable of concomitant operation of the xDSL telecommunication service and the POTS with PPM telecommunication service on a single subscriber line.

34. (original) The line card of claim 33, wherein the multiple mode circuit is capable of concomitant operation of the xDSL telecommunication service and the POTS telecommunication service.

35. (original) The line card of claim 33, wherein the multiple mode circuit further supports underlying P phone service.

36. (original) The line card of claim 33, wherein the multiple mode circuit further supports DAML service.

37. Canceled.

38. (original) The line card of claim 33, wherein the POTS with PPM telecommunication service comprises any one of POTS with 12 kHz PPM service and 16 kHz PPM service.

39. (original) The line card of claim 33, wherein the multiple mode circuit is capable of concomitant operation of the xDSL telecommunication service and the ISDN telecommunication service.

40. (original) The line card of claim 33, wherein the ISDN telecommunication service comprises one of 2B1Q ISDN service and 4B3T ISDN service.

41. (original) The line card of claim 33, wherein the xDSL telecommunication services comprise one of asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.

42. (currently amended) A method for supporting multiple telecommunication services in a line card comprising the steps of:

selecting at the line card adapted for installation in equipment at a central office either a first operational mode or a second operational mode for the line card, wherein the first operational mode provides ~~substantial~~ concomitant operation of xDSL telecommunication service and POTS service on a single subscriber line, and the second operational mode provides ~~substantial~~ concomitant operation of xDSL telecommunication service and POTS with PPM service on the single subscriber line;

if the first operational mode is selected, separating xDSL telecommunication signals and POTS signals, and processing the xDSL telecommunication signals and the POTS signals;

if the second operational mode is selected, separating xDSL telecommunication signals and POTS with PPM signals and processing the xDSL telecommunication signals and the POTS with PPM signals.

43. (original) The method of claim 42, wherein the step of selecting comprises the step of: receiving instructions from an external device regarding which operational mode to select.

44. (original) The method of claim 43, wherein the step of receiving instructions comprises the step of:  
receiving the instructions in a handshake signal.

45. (original) The method of claim 42, wherein the step of selecting comprises:  
monitoring operation of the line card; and  
selecting an operational mode based on operation of the line card.

46. (original) The method of claim 42, wherein the xDSL telecommunication service comprises any one of asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.

47. (original) The method of claim 42, wherein the POTS with PPM telecommunication service comprises any one of POTS with 12 kHz PPM service and POTS with 16 kHz PPM service.

48-53. Canceled.

54. (currently amended) A line card, comprising:

a first interface that supports a plurality of xDSL telecommunication services on a single subscriber line;

a second interface that supports a plurality of underlying services (USVs); - on the single subscriber line concurrently with said plurality of xDSL telecommunication services, where the first and second interfaces are adapted for installation in equipment at a central office; and  
a controller that configures the first interface for one of the plurality of xDSL telecommunication services and configures the second interface for one of the plurality of USVs, wherein the second interface supports ISDN telecommunication service, POTS service, Periodic Pulse Metering (PPM) service, P-Phone service, and Digital Added Mainline (DAML) service.

55. (original) The line card of claim 54, wherein the first interface supports asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.

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- 56. Canceled.
- 57. (currently amended) The line card of claim 54, wherein the second interface supports one of 4B3T ISDN service and 2B1Q ISDN service.
- 58. (currently amended) The line card of claim 54, wherein the second interface supports one of 12 kHz PPM service and 16 kHz PPM service.